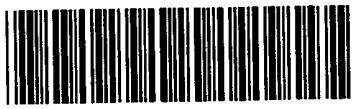
1647



#9 1600

1-30-03

RAW SEQUENCE LISTING DATE: 11/18/2002
PATENT APPLICATION: US/09/865,294A TIME: 12:55:44

Input Set : N:\vernette\09865294A.RAW.txt
Output Set: N:\CRF4\11182002\I865294A.raw

3 <110> APPLICANT: Wang, Chang Yi
5 <120> TITLE OF INVENTION: Immunogenic peptide composition as vaccines for the prevention and treatment of
6 Alzheimer's Disease
8 <130> FILE REFERENCE: 1151-4167
10 <140> CURRENT APPLICATION NUMBER: 09/865,294A
11 <141> CURRENT FILING DATE: 2001-05-25
13 <160> NUMBER OF SEQ ID NOS: 77
15 <170> SOFTWARE: PatentIn version 3.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 15
19 <212> TYPE: PRT
20 <213> ORGANISM: Hepatitis B virus
22 <400> SEQUENCE: 1
24 Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile Pro Gln Ser Leu Asp
25 1 5 10 15
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 30
30 <212> TYPE: PRT
31 <213> ORGANISM: Bordetella pertussis
33 <400> SEQUENCE: 2
35 Lys Lys Leu Arg Arg Leu Leu Tyr Met Ile Tyr Met Ser Gly Leu Ala
36 1 5 10 15
39 Val Arg Val His Val Ser Lys Glu Glu Gln Tyr Tyr Asp Tyr
40 20 25 30
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 17
45 <212> TYPE: PRT
46 <213> ORGANISM: Clostridium tetani
48 <400> SEQUENCE: 3
50 Lys Lys Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
51 1 5 10 15
54 Leu
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 22
60 <212> TYPE: PRT
61 <213> ORGANISM: Clostridium tetani
63 <400> SEQUENCE: 4
65 Lys Lys Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys
66 1 5 10 15
69 Val Ser Ala Ser His Leu
70 20
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 15

p.6

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RAW SEQUENCE LISTING DATE: 11/18/2002
PATENT APPLICATION: US/09/865,294A TIME: 12:55:44

Input Set : N:\vernette\09865294A.RAW.txt
Output Set: N:\CRF4\11182002\I865294A.raw

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75 <212> TYPE: PRT
76 <213> ORGANISM: Bordetella pertussis
78 <400> SEQUENCE: 5
80 Tyr Met Ser Gly Leu Ala Val Arg Val His Val Ser Lys Glu Glu
81 1               5                  10                  15
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 27
86 <212> TYPE: PRT
87 <213> ORGANISM: Clostridium tetani
89 <400> SEQUENCE: 6
91 Tyr Asp Pro Asn Tyr Leu Arg Thr Asp Ser Asp Lys Asp Arg Phe Leu
92 1               5                  10                  15
95 Gln Thr Met Val Lys Leu Phe Asn Arg Ile Lys
96             20                  25
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 24
101 <212> TYPE: PRT
102 <213> ORGANISM: Pertusaria trachythallina
104 <400> SEQUENCE: 7
106 Gly Ala Tyr Ala Arg Cys Pro Asn Gly Thr Arg Ala Leu Thr Val Ala
107 1               5                  10                  15
110 Glu Leu Arg Gly Asn Ala Glu Leu
111             20
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 15
116 <212> TYPE: PRT
117 <213> ORGANISM: Measles virus
119 <400> SEQUENCE: 8
121 Leu Ser Glu Ile Lys Gly Val Ile Val His Arg Leu Glu Gly Val
122 1               5                  10                  15
125 <210> SEQ ID NO: 9
126 <211> LENGTH: 20
127 <212> TYPE: PRT
128 <213> ORGANISM: Escherichia coli
130 <400> SEQUENCE: 9
132 Gly Ile Leu Glu Ser Arg Gly Ile Lys Ala Arg Ile Thr His Val Asp
133 1               5                  10                  15
136 Thr Glu Ser Tyr
137             20
140 <210> SEQ ID NO: 10
141 <211> LENGTH: 17
142 <212> TYPE: PRT
143 <213> ORGANISM: Clostridium tetani
145 <400> SEQUENCE: 10
147 Trp Val Arg Asp Ile Ile Asp Asp Phe Thr Asn Glu Ser Ser Gln Lys
148 1               5                  10                  15
151 Thr
155 <210> SEQ ID NO: 11
156 <211> LENGTH: 16
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/865,294A

DATE: 11/18/2002
TIME: 12:55:44

Input Set : N:\vernette\09865294A.RAW.txt
Output Set: N:\CRF4\11182002\I865294A.raw

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157 <212> TYPE: PRT
158 <213> ORGANISM: Clostridium tetani
160 <400> SEQUENCE: 11
162 Asp Val Ser Thr Ile Val Pro Tyr Ile Gly Pro Ala Leu Asn His Val
163 1               5                   10                  15
166 <210> SEQ ID NO: 12
167 <211> LENGTH: 25
168 <212> TYPE: PRT
169 <213> ORGANISM: Chlamydia trachomatis
171 <400> SEQUENCE: 12
173 Ala Leu Asn Ile Trp Asp Arg Phe Asp Val Phe Cys Thr Leu Gly Ala
174 1               5                   10                  15
177 Thr Thr Gly Tyr Leu Lys Gly Asn Ser
178             20                  25
181 <210> SEQ ID NO: 13
182 <211> LENGTH: 23
183 <212> TYPE: PRT
184 <213> ORGANISM: Diphtheria
186 <400> SEQUENCE: 13
188 Asp Ser Glu Thr Ala Asp Asn Leu Glu Lys Thr Val Ala Ala Leu Ser
189 1               5                   10                  15
192 Ile Leu Pro Gly His Gly Cys
193             20
196 <210> SEQ ID NO: 14
197 <211> LENGTH: 39
198 <212> TYPE: PRT
199 <213> ORGANISM: Diphtheria
201 <400> SEQUENCE: 14
203 Glu Glu Ile Val Ala Gln Ser Ile Ala Leu Ser Ser Leu Met Val Ala
204 1               5                   10                  15
207 Gln Ala Ile Pro Leu Val Gly Glu Leu Val Asp Ile Gly Phe Ala Ala
208             20                  25                  30
211 Thr Asn Phe Val Glu Ser Cys
212         35
215 <210> SEQ ID NO: 15
216 <211> LENGTH: 21
217 <212> TYPE: PRT
218 <213> ORGANISM: Plasmodium falciparum
220 <400> SEQUENCE: 15
222 Asp His Glu Lys Lys His Ala Lys Met Glu Lys Ala Ser Ser Val Phe
223 1               5                   10                  15
226 Asn Val Val Asn Ser
227             20
230 <210> SEQ ID NO: 16
231 <211> LENGTH: 17
232 <212> TYPE: PRT
233 <213> ORGANISM: Schistosoma mansoni
235 <400> SEQUENCE: 16
237 Lys Trp Phe Lys Thr Asn Ala Pro Asn Gly Val Asp Glu Lys His Arg
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/865,294A

DATE: 11/18/2002
TIME: 12:55:45

Input Set : N:\vernette\09865294A.RAW.txt
Output Set: N:\CRF4\11182002\I865294A.raw

```
238 1               5                   10                  15
241 His
245 <210> SEQ ID NO: 17
246 <211> LENGTH: 14
247 <212> TYPE: PRT
248 <213> ORGANISM: Escherichia coli
250 <400> SEQUENCE: 17
252 Gly Leu Gln Gly Lys His Ala Asp Ala Val Lys Ala Lys Gly
253 1               5                   10
256 <210> SEQ ID NO: 18
257 <211> LENGTH: 19
258 <212> TYPE: PRT
259 <213> ORGANISM: Escherichia coli
261 <400> SEQUENCE: 18
263 Gly Leu Ala Ala Gly Leu Val Gly Met Ala Ala Asp Ala Met Val Glu
264 1               5                   10                  15
267 Asp Val Asn
271 <210> SEQ ID NO: 19
272 <211> LENGTH: 20
273 <212> TYPE: PRT
274 <213> ORGANISM: Escherichia coli
276 <400> SEQUENCE: 19
278 Ser Thr Glu Thr Gly Asn Gln His His Tyr Gln Thr Arg Val Val Ser
279 1               5                   10                  15
282 Asn Ala Asn Lys
283             20
286 <210> SEQ ID NO: 20
287 <211> LENGTH: 20
288 <212> TYPE: PRT
289 <213> ORGANISM: Hepatitis B virus
291 <400> SEQUENCE: 20
293 Ser Asp Phe Phe Pro Ser Val Arg Asp Leu Leu Asp Thr Ala Ser Ala
294 1               5                   10                  15
297 Leu Tyr Arg Glu
298             20
301 <210> SEQ ID NO: 21
302 <211> LENGTH: 12
303 <212> TYPE: PRT
304 <213> ORGANISM: Chlamydia trachomatis
306 <400> SEQUENCE: 21
308 Thr Ile Asn Lys Pro Lys Gly Tyr Val Gly Lys Glu
309 1               5                   10
312 <210> SEQ ID NO: 22
313 <211> LENGTH: 15
314 <212> TYPE: PRT
315 <213> ORGANISM: Measles virus
317 <400> SEQUENCE: 22
319 Leu Ser Glu Ile Lys Gly Val Ile Val His Arg Leu Glu Gly Val
320 1               5                   10                  15
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RAW SEQUENCE LISTING DATE: 11/18/2002
PATENT APPLICATION: US/09/865,294A TIME: 12:55:45

Input Set : N:\vernette\09865294A.RAW.txt
Output Set: N:\CRF4\11182002\I865294A.raw

```
323 <210> SEQ ID NO: 23
324 <211> LENGTH: 16
325 <212> TYPE: PRT
326 <213> ORGANISM: Measles virus
328 <400> SEQUENCE: 23
330 Asp Leu Ser Asp Leu Lys Gly Leu Leu Leu His Lys Leu Asp Gly Leu
331 1               5                  10                  15
334 <210> SEQ ID NO: 24
335 <211> LENGTH: 16
336 <212> TYPE: PRT
337 <213> ORGANISM: Measles virus
339 <400> SEQUENCE: 24
341 Glu Ile Ser Glu Ile Arg Gly Ile Ile Ile His Arg Ile Glu Gly Ile
342 1               5                  10                  15
345 <210> SEQ ID NO: 25
346 <211> LENGTH: 16
347 <212> TYPE: PRT
348 <213> ORGANISM: Measles virus
350 <400> SEQUENCE: 25
352 Asp Val Ser Asp Val Lys Gly Val Val Val His Lys Val Asp Gly Val
353 1               5                  10                  15
356 <210> SEQ ID NO: 26
357 <211> LENGTH: 16
358 <212> TYPE: PRT
359 <213> ORGANISM: Measles virus
361 <400> SEQUENCE: 26
363 Asp Phe Ser Asp Phe Lys Gly Phe Phe Phe His Lys Phe Asp Gly Phe
364 1               5                  10                  15
367 <210> SEQ ID NO: 27
368 <211> LENGTH: 15
369 <212> TYPE: PRT
370 <213> ORGANISM: Measles virus
372 <400> SEQUENCE: 27
374 Ile Ser Glu Ile Lys Gly Val Ile Val His Lys Ile Glu Gly Ile
375 1               5                  10                  15
378 <210> SEQ ID NO: 28
379 <211> LENGTH: 15
380 <212> TYPE: PRT
381 <213> ORGANISM: Measles virus
383 <400> SEQUENCE: 28
385 Met Thr Glu Ile Arg Thr Val Ile Val Thr Arg Met Glu Thr Met
386 1               5                  10                  15
389 <210> SEQ ID NO: 29
390 <211> LENGTH: 15
391 <212> TYPE: PRT
392 <213> ORGANISM: Measles virus
394 <400> SEQUENCE: 29
396 Leu Ser Glu Ile Lys Gly Val Ile Val His Lys Leu Glu Gly Val
397 1               5                  10                  15
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/18/2002
PATENT APPLICATION: US/09/865,294A TIME: 12:55:46

Input Set : N:\vernette\09865294A.RAW.txt
Output Set: N:\CRF4\11182002\I865294A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:77; Xaa Pos. 3,5

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:77